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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SIGNAL PROCESSING APPARATUS AND METHODS

John C. Harvey and

James W. Cuddihy

RECEIVED

Serial No.

08/511,491

JUN 2 0 2002

Docket No.

5634.274

Technology Center 2600

Filed

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June 6, 1995

For

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Mehta, B.

Group Art Unit

2611

Examiner

Commissioner for Patents Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, applicants respectfully request consideration of the references listed on the attached citation form.

Applicants respectfully request that the Examiner consider the references cited and that the Examiner indicate that the references have been considered in this application by returning a copy of the citation form with the Examiner's initials in the left column per M.P.E.P. § 609.

EH

Serial No.: 08/511,491 Docket. No.: 5634.274

Applicants submit concurrently identical information disclosure statements in applicants' related actively pending applications. Pursuant to an agreement reached between the Office and applicants (see first Office Action issued in this application), applicants are submitting to the Office a single copy of the references cited in the concurrently filed information disclosure statements.

References cited herein have been asserted against applicants' related issued patents. In accordance with 37 C.F.R. § 1.97, applicants do not admit that each and every reference cited herein is considered to be material to patentability or to be prior art. This Information Disclosure Statement satisfies the requirements of 37 C.F.R. § 1.97(c)(1). No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this information disclosure statement. This statement is made to the best of my knowledge after making reasonable inquiry.

Applicants provide herewith an article by Dr. H. E. Kruger titled "Speicherfernsehen, Das Digitale Kennungssystem ZPS." The English translation of this article has been previously included in an information disclosure statement in this application. However, applicants are now in possession of the original German article. Applicants hereby provide the German article, but have no indication that the German article discloses any additional information than disclosed in the English translation.

No.: 08/511,491

Applicants provide herewith a copy of the book "Interactive Videotex: the Domesticated Computer" by Dimitris N. Chorafas. Applicants have previously included in an information disclosure statement pages 171-183 and the preface of this book. The book in its entirety has been asserted to applicants as relevant to the validity of applicants' related issued patents. Accordingly, applicants hereby provide the book in its entirety. However, applicants are not aware that any particular portion of the book is more relevant than the previously cited pages.

Date: June 18, 2002

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Respectfully submitted,

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Fax: (202) 778-2201

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /BL/

	Attorney Docket No.	Serial No.	
INFORMATION DISCLOSURE O P SEATEMENT BY APPLICANT	05634.274	08/511,491	
SCITATION FORM	Applicant(s) John C. Harvey and James W. Cuddihy		
	Filing Date June 6, 1995	Group Art Unit 2611	
UNITED ST	ATES PATENT DOCUMENTS	•	

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS/ SUBCLASS	FILING DATE*
	Re 26,331	1/9/68	Brothman et al.		
	Re 33,189	3/27/90	Lee et al.		
	2,117,638	5/17/38	Walter		
	3,368,031	2/6/68	Eisele		
	3,387,082	6/4/68	Farber et al.		
	3,387,083	6/4/68	Farber et al.	RE	CEIVED
	3,390,234	6/25/68	Glidden	****	
	3,430,004	2/25/69	Shenk	JUN	2 0 2002
	3,475,547	10/28/69	Sarlund	Tankanla	
	3,478,342	11/11/69	Alldritt et al.	recimolo	gy Center 2600
	3,588,357	6/28/71	Sellari		
	3,624,516	11/30/71	Rando et al.		
	3,737,858	6/5/73	Turner et al.		
	3,813,482	5/28/74	Blonder		
	3,842,206	10/15/74	Barselloti et al.,		
	3,858,240	12/31/74	Golding et al.		
	3,898,378	8/5/75	Hinoshita et al.		
	3,899,639	8/12/75	Cleveley et al.,		
	3,922,492	11/25/75	Lumsden		
	3,936,593	2/3/76	Aaronson et al.,		
	3,958,088	5/18/76	Vieri		
	3,962,535	6/8/76	Haskell		
	3,971,888	7/27/76	Ching et al.		
	3,974,451	8/10/76	Maeder		
	3,988,550	10/26/76	Ts'ao		
	4,006,297	2/1/77	Koga		
	4,011,414	3/8/77	Warren		
	4,027,100	5/31/77	Ishiguro		
	4,031,543	6/21/77	Holz		
	4,045,811	8/30/77	Dingwall		
	4,045,814	8/30/77	Hartung		
	4,047,221	9/6/77	Yasuda et al.		
	4,056,684	11/1/77	Lindstrom		
	4,060,832	11/29/77	Devimeux et al.		
	4,061,577	12/6/77	Bell		
	4,068,265	1/10/78	Russell		
	4,118,669	10/3/78	Fung		
	4,141,034	2/20/79	Netravali et al.		
	4,148,070	4/3/79	Taylor		
	4,189,748	2/19/80	Reis		

EXAMINER		1				2
4,196,448		SATENT DA				
4,196,448	INITIAL	NUMBER 4 105 200			SUBCLASS	DATE.
4,201,887 5/6/80 Burns		1 .,122,200				
4,203,166 5/13/80 Ehrsam et al.						
4,215,369 7/29/80 Yukihiko Ijjima						
4,217,609 8/12/80				<u> </u>		
4,218,697 8/19/80 Leventer						
4,222,073 9/9/80 Hirashima 4,224,678 9/23/80 Lynch et al.						
4,224,678 9/23/80 Lynch et al.						
4,238,853 12/9/80 Ehrsam et al.						
4,238,854 12/9/80 Ehrsam et al. JUN 2 0 7(00)						
4,258,8423 3/24/81					PECEIVED-	
4,271,506 6/2/81 Broc et al.						
4,302,775		<u> </u>			<u> </u>	
4,306,250 12/15/81 Summers et al. 8/18/80 4,318,126 3/2/82 Sassler 4/2/80 4,318,127 3/2/82 Fukuda et al. 8/1/80 4,318,128 3/2/82 Sauvanet 7/15/80 4,331,07 6/1/82 McGuire et al. 5/3/79 4,357,548 11/2/82 Preslar 5/30/80 4,358,790 11/9/82 Summers 4/18/80 4,369,462 1/18/83 Tomizawa et al. 8/15/80 4,369,464 1/18/83 Temime 7/8/80 4,375,650 3/1/83 Tiemann 4/29/81 4,381,562 4/26/83 Acampora 5/1/80 4,419,699 12/6/83 Christopher et al. 5/1/80 4,420,833 12/13/83 Noirel 9/22/80 4,514,761 4/30/85 Merrell et al 4/500,942 7/15/86 4,658,292 4/14/87 Okamoto et al. 7/30/85 4,736,420 4/5/88 Katznelson et al. 9/19/86 4,773,544 10/11/88 Thomas 1/27/86 4,908,859				·		
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* If Pertinent

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLA YES	TION NO

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /BL/

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DOCUMENT	PUBLICATION		CLASS/	TRANSLATION
NUMBER	DATE	COUNTRY	SUBCLASS	YES NO
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	DOCUMENT NUMBER		DOCUMENT PUBLICATION NUMBER DATE COUNTRY	DOCUMENT PUBLICATION CLASS/ NUMBER DATE COUNTRY SUBCLASS

OTHER DOCUMENTS

EXAMINER	
INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	CHORAFAS, "Interactive Videotex: The Domesticated Computer," 1981, Petrocelli Books, New York
	HINTON, "Character rounding for the Wireless Word teletex decoder," Wireless World, Nov. 1978, pp. 49-53, Vol. 84 No. 1515, IPC Business Press, United Kingdom
	KRUGER, "Speicherfernsehen, Das Digitale Kennungssystem ZPS," Prospedings 9 th International Congress Microelectroncis, pp. 39-45 "no date" /BL/
	"Fernsehempfang rund um die Uhr" Funk Technik, Mar. 1981, Vol 36
	Technology Center 2600

EXAMINER	/Brian Le/	DATE CONSIDERED 07/19/2010	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).			

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /BL/